

U.S. National Stage of PCT/EP2004/004579

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 11 of the specification with the following revised abstract which is submitted on a separate sheet.

Abstract

~~The invention relates to an~~ An energy supply unit ~~[(5)]~~ for a measuring device ~~[(1)]~~ for determining and/or monitoring a physical or chemical, process variable of a medium. ~~The invention includes that~~ Included is at least one voltage limiting unit ~~[(10)]~~ and/or at least one current limiting unit ~~(15)~~ is provided in the energy supply unit ~~[(5)]~~, wherein the voltage limiting unit ~~[(10)]~~ is embodied in such a manner that arising voltages remain under a value, which leads to an explosion in an explosion-endangered area, and wherein the current limiting unit ~~[(15)]~~ is embodied in such a manner that arising currents and/or heatings associated therewith remain under a value, which leads to an explosion in an explosion-endangered area.